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SUPPLEMENT TO
REPORT NO.

THIS IS UNEVALUATED INFORMATION

1. The Serp i Molot Plant is in Saratov (51°34'N/46°02'E), Saratov Oblast. The plant allegedly manufactured shells during the war. In 1949 and 1950, 50 percent of the machinery, which was in bad condition, was of German make. The plant comprised a foundry, a molding shop, a hardening shop, a forge, a department for cylinder blocks, a department for cogwheels and bevel gear wheels, a department for crankshafts and camshafts, a department for agricultural implements, two laboratories, a tool making shop, a carpentry shop, and a transformer station. Power was supplied to the plant from the SarGres Power Plant. Natural gas was supplied from Saratov through the plant distribution system. The plant had sprr tracks, and there was also a narrow-gauge railroad with a Diesel locomotive and 100 railroad cars. The plant furthermore had its own trucks, some electric cars and Stalinets tractors. *
2. This plant produced cylinder blocks for the "Nati" tractor engine and for a somewhat smaller type engine of about 30 to 35 HP. The cylinder blocks for the Nati engine were allegedly 110 x 40 x 25 cm and had a cylinder head diameter of 148 mm, while those for the smaller engine were 75 x 30 x 15 cm with a cylinder head diameter of 138 mm. ** About 15 to 20 cylinder blocks were produced daily in May 1945. Daily production was between 180 and 250 acceptable units by the end of 1945. The waste for the entire plant amounted to from 30 to 40 percent. A daily output of 500 cylinder blocks could be achieved if the plant were modernized. The daily production scheduled for 1949 was 1,000 pieces. In 1948 and 1949 the daily output of crankshafts and camshafts, cogwheels and bevel gear wheels was about 150 of each item. Several thousand traction devices (Greifsporen) for tractor wheels were punched daily in the forge. A small amount of valve tappets, belt pulleys and various agricultural implements were produced as sideline production.
3. Pig iron, molding sand etc. for the foundry, as well as hoop iron and various kinds of edge iron (Kant Eisen) were supplied from outside plants. The entire output was shipped to the Stalingrad Tractor Plant.
4. The plant was under the direction of the second manager Naizlovich (fnu).

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The planning engineer was engineer Popov (fnu). The total number of employees was 3,000 to 4,000 early in 1950. It was reported that the plant employed only 2,000 to 3,000 workers in 1945 and 1946. About 40 percent of the workers were women and children. Work was done in three shifts. The plant was surrounded by a wall. Guard duty was performed by armed civilian plant militia.

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* Comment. For location and layout sketches of this plant see Annexes 1 and 2.

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** Comment. The Mafi engine has a diameter of 125 mm; the other engine of about 35 HP is believed to be a KD-35 type engine which has a diameter of 100 mm.

Attachments: Two

1. Location sketch of the Serp i Molet Plant.
2. Layout sketch of the Serp i Molet Plant.

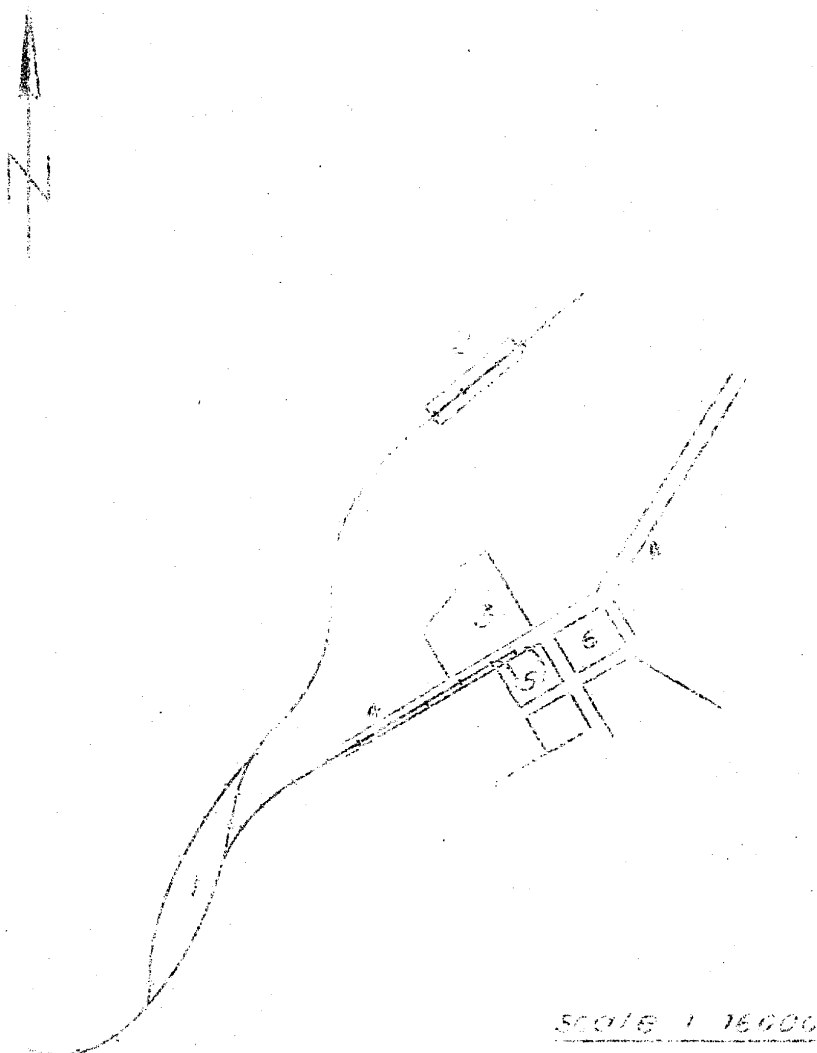
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Attachment 1

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Location Sketch of the Serp i Molot Plant in Saratov

Legend:

1. Saratov freight station.
2. Passenger station.
3. Plant [redacted]
4. Astrakhanskaya Street.
5. Serp i Molot Plant.
6. Park.

25X1

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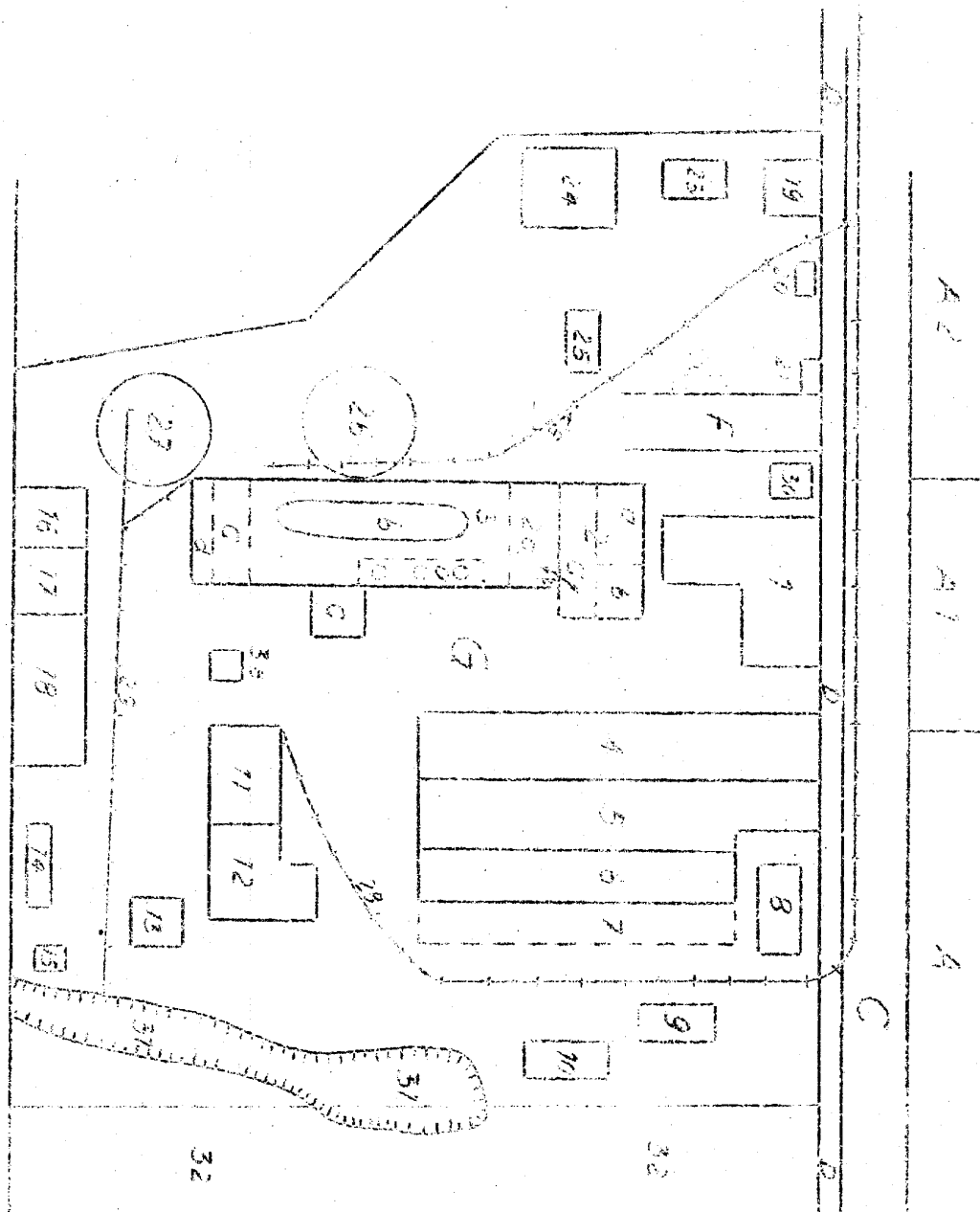
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Attachment 2

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Layout Sketch of the Serp i Molst Plant in S. Ratov

Legend: See next page.



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Attachment 2

Legend:

- A. Area of plan No 012, believed to be the former Tractor-diesel plant.
- Al. Office of the Communist Party.
- A2. Molotova Shoe Factory.
- B. Park grounds.
- C. Astrakhanskaya Street.
- D. Strip of lawn.
- E. Pugachevskaya Street.
- F. Former Beloglinskaya Street, closed to traffic due to plant expansion.
- G. Serp i Molot Plant.
1. Administration building housing kitchen and offices.
 2. Laboratory and testing equipment for cylinder blocks.
 - 2 a. Laboratory of the foundry.
 - 2 b. Bath for employees.
 - 2 c. Room for testing cylinder blocks (exact location not determined) equipped with 4 test stands, 2 of them in operation, 1 installation for X-ray tests, 1 gas annealing furnace, and 1 mobile autogenous welding shop.
 3. Foundry.
 - 3 a. Four gas-fired smelting furnaces, with a capacity of 3 to 5 tons, two of which were alternately in operation.
 - 3 b. Foundry installation equipped with a conveyor belt for molds which was not completed before 1943; 1 tempering furnace, about 50 meters long and 7 meters wide; 2 traveling cranes each having a capacity of 2,000 kg; 4 drums used for cleaning castings and 1 dust conveyor belt.
 - 3 c. Molding shop, exact location not determined.
 - 3 d. Material warehouse.
 - 3 e. Scrap crushing installation.
 4. Workshop 2, in which cylinder blocks were finished, allegedly equipped with 3 planing machines, 2 drilling machines, 3 machines for oblique boring, 3 thread cutting machines, 2 steel brush machines (Stahlbuerstenmaschinen), 2 water test stands, 3 large planing machines, 4 precision planing machines, 1 traveling crane, and a shipping department.
 5. Workshop 3, which produced cogwheels and bevel gear wheels, allegedly was equipped with 1 fully-automatic machines, 12 vertical drilling machines, 60 to 80 milling machines, 10 pull-type slotting machines (Nutenziehbaenken), 60 to 80 lathes and 10 to 50 thread cutting machines. ILLEGIB

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Attachment 2

with about 200 lathes and 100 pull-type slotting machines (Nutenzichbaenke). Further details were not known.

7. Only part of this building was in use. The mechanical equipment was still being installed as of January 1950. Agricultural implements were manufactured in this shop. Seeders and harrows were observed.
8. Tool-making shop.
- 9 and 10. Carpentry shops. A PW camp was temporarily housed in one of these buildings.
11. Hardening shop and material testing shop of Workshop 4, equipped with 4 to 6 hardening furnaces.
12. Forge of Workshop 4, allegedly equipped with 3 large presses, 2 cutting presses, 3 punching machines, 7 gas fired forges and miscellaneous machine tools.
13. Residence of the plant commissar.
14. Material warehouse.
15. New transformer station.
- 16, 17 and 18. Workshop 5. The following shops were housed in these buildings: 1 fitting shop, 1 electric shop, 1 sand-blasting shop and 1 shop which manufactured valve tappets.
19. Garage and automobile repair shop.
20. Warehouse for food storage.
21. Main guard station.
22. Three-story building used as quarters for female workers.
23. Tailor and shoemaker's shop.
24. PW Camp 7368/10, closed in January 1950.
25. Material warehouse.
26. Foundry waste dump and loading ramp.
27. Scrap and waste dump.
28. Spur tracks to the freight station.
29. Rick railway for the removal of waste material which was used for filling the ravine.
30. Gas distribution system.
31. Ravine, the northern part of which had already been filled.
32. Open terrain, to be used later for plant expansion.